



General Motors

General Motors LLC
Compliance & Certification
MC 483-331-500
Milford Proving Ground
3300 General Motors Road
Milford, Michigan 48380-3726

April 19, 2010

MH-BG005A

Ms. Khesha Reed
Engine Program Group
Certification and Compliance Division
U.S. Environmental Protection Agency
Mail Code 6405J
1200 Pennsylvania Avenue, NW
Washington, DC 20460

Dear Ms. Reed:

Subject: 2011 Heavy Duty Diesel Engines – Request for EPA Approval of Special Test Procedures

General Motors submits an amended description of special test procedures that will be used for the 2011 model year GM heavy duty diesel engine family BGMXH06.6590 (Engine RPO = LGH). For 2011 LGH certification testing, the engines are run with an engine dynamometer calibration that differs from a vehicle calibration (see attached table). This request supersedes the request made by letter MH-BG005, and is the result of additional software and calibration elements that were added subsequent to the original request. The most current software and calibration release required additional calibration modifications to allow the engine to run on a dynamometer without transmission as it would in the vehicle.

None of the changes listed in the attached table have an emissions impact that would cause the vehicle to run higher emission levels than those tested and measured on the engine dynamometer during the certification data collection. Without these calibration changes, the engine will run differently on the dynamometer than it would in a vehicle.

GM requests approval of these special test procedures. If you have any questions, please call me at 248-676-1455.

Sincerely,

S. G. Bollinger
Total Compliance Engineer
Compliance and Certification

SGB/ks
Attachments

CBI / Ex. 4

CBI / Ex. 4

CBI / Ex. 4